Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/09/2020 09:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124611	-1	2.95	124639	2.92
Blue	F	SSC	125000	124033	-1	1.70	124740	1.68
Blue	E	FITC	15892	15580	-2	2.81	337	20.16
Blue	D	PE	29999	29266	-3	2.00	634	15.14
Blue	B	PerCP-Cy5-5	43732	43293	-2	3.73	1173	20.81
Blue	A	PE-Cy7	30845	30693	-1	6.45	621	41.58
Red	C	APC	46112	44794	-3	2.43	1572	11.86
Red	A	APC-Cy7	30458	29384	-4	2.50	831	11.67
Violet	B	V450	7918	7611	-4	5.33	441	12.81
Violet	A	V500	32171	31798	-2	5.21	744	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	15458	18.56	656	35	N/A	N/A	Pass
Blue	F	SSC	57246	1.22	584	25	N/A	N/A	Pass
Blue	E	FITC	60	65.89	553	10	0.0202	151	Pass
Blue	D	PE	132	51.44	558	10	0.1554	272	Pass
Blue	B	PerCP-Cy5-5	218	50.34	667	11	0.0085	48	Pass
Blue	A	PE-Cy7	114	102.91	715	17	0.0099	16	Pass
Red	C	APC	376	24.86	589	5	0.0261	176	Pass
Red	A	APC-Cy7	184	27.63	563	7	0.0055	973	Pass
Violet	B	V450	66	56.87	467	9	0.0578	2100	Pass
Violet	A	V500	109	29.41	483	9	0.0264	350	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-34.07	-33.62	0.91
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	16.93	13.60 - 20.40	N/A	N/A	30.91	31.27	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.72

Threshold

Threshold (FSC): 10287

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments